

CLAIMS

1. A dispenser for discharging a liquid material, comprising:

5 a syringe having a nozzle at one end thereof;

a plunger engaged in the syringe from the other end of the syringe;

10 a pipe connected to a portion of the syringe between the one end and the other end of the syringe; and

a liquid material tank connected to the other end of the pipe, the liquid material tank being arranged so that a level of a liquid material in the liquid material tank is higher than the syringe.

15 2. A dispenser for discharging a liquid material according to claim 1, further comprising a device for applying pressure to the liquid material in the liquid material tank.

20 3. A dispenser for discharging a liquid material according to claim 2, wherein the device for applying pressure to the liquid material in the liquid material tank comprises a device for supplying gas above a level of the liquid material in the liquid material tank.

25 4. A dispenser for discharging a liquid material according to claim 3, wherein the liquid material tank has a leak hole at a position higher than the level of the liquid material.

30 5. A dispenser for discharging a liquid material according to claim 1, further comprising a drive device for moving the plunger.

35 6. A dispenser for discharging a liquid material according to claim 1, further comprising a device applying pressure to a liquid material in the liquid material tank, a drive device for moving the plunger, and a control means for controlling the device for applying pressure to a liquid material in the liquid material tank and the drive device, wherein the plunger is advanced

when a liquid material is discharged from the syringe,
and the plunger is retracted and a pressure is applied in
the liquid material tank when a liquid material is
supplied from the liquid material tank into the syringe.

5 7. A dispenser for discharging a liquid material
according to claim 1, further comprising a liquid
material supply valve arranged in the pipe connecting the
syringe to the liquid material tank and a liquid material
discharge valve arranged in the syringe.

10 8. A dispenser for discharging a liquid material
according to claim 1, further comprising a filter
arranged in the pipe connecting the syringe to the liquid
material tank.